

## **ABSTRACT**

### **POWER SUPPLY SYSTEM**

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The invention provides a power supply system and a method for providing a power supply for a machine having a plurality of components. The system comprises a power source and a set of two or more voltage converters connected in parallel and coupled to the power source via a common bus. An  
10 electrical supply line is coupled to an output of the set of voltage converters for supplying a required voltage to the components of the machine connected to the electrical supply line.

(Figure 1)

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